2001 Water Temperature Studies Related to McNary Dam and the lower Snake projects.

Corps Studies:

The Corps will also be measuring water temperatures at its Fixed Monitoring Sites in the forebay of McNary Dam, both on the Oregon and Washington sides of the forebay. Water temperature will also be measured in the tailwater of McNary Dam.

Starting 1 June, 2001, six strings of thermisters will be deployed in the boat restricted zone of the forebay on the south (Oregon) side of McNary Dam. The thermisters will be deployed on each string at depth intervals of every ten feet. The data will not be available real-time, but may be available later from the researchers.

Additionally, two 3-foot diameter mechanical mixers will be installed near the south side of the dam to create turbulent currents to allow cooler water from greater depths to reach the near-surface portions of the forebay to provide cooler water for fish passage. The 20-horsepower (each) mixers will be able to create a flow of approximately 50 cubic feet per second.

The Corps will be measuring water temperatures at the forebay and tailwater Fixed Monitoring Sites on the 4 Corps dams on the lower Snake River.

University of Idaho Studies:

University of Idaho will have a single water temperature monitor in the Snake River, above the confluence with the Clearwater. They will also have a single water temperature monitor in the Clearwater River.

University of Idaho will also be collecting water temperature profiles below the confluence of the Clearwater/Snake rivers, as measured in 2000.

University of Idaho will also have tri-level water temperature monitoring between the mouth of the Clearwater and Lower Granite Dam at river kilometer 110, 127, and 137.

University of Idaho will also be using single monitors to measuring water temperatures at the mouth of the tributaries between Lower Granite Dam and the Snake River.

University of Idaho will also be using single monitors to measuring water temperatures at the mouth of the tributaries below the mouth of the Snake River.

Other Studies:

Washington Department of Fish and Wildlife will be measuring water temperatures at

water withdrawal locations in the McNary pool.